

#16

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RAW SEQUENCE LISTING

DATE: 08/09/2000

PATENT APPLICATION: US/08/911,824

TIME: 11:38:43

Input Set : A:\6165US01.txt

Output Set: N:\CRF3\08092000\H911824.raw

ENTERED

```
4 <110> APPLICANT: Abbott Laboratories
5      Hackett, John R., Jr.
6      Yamaguchi, Julie
7      Golden, Alan M.
8      Brennan, Catherine A.
9      Hickman, Robert K.
10     Devare, Sushil G.
12 <120> TITLE OF INVENTION: NOVEL ANTIGEN CONSTRUCTS USEFUL IN THE
13     DETECTION AND DIFFERENTIATION OF ANTIBODIES TO HIV
16 <130> FILE REFERENCE: 6165.US.01
18 <140> CURRENT APPLICATION NUMBER: US 08/911,824
19 <141> CURRENT FILING DATE: 1997-08-15
21 <160> NUMBER OF SEQ ID NOS: 121
23 <170> SOFTWARE: FastSEQ for Windows Version 3.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 19
27 <212> TYPE: DNA
28 <213> ORGANISM: Human Immunodeficiency Virus
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Sequencing Primer 43285
33 <400> SEQUENCE: 1
34   gagatcttca ggggtatcc
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 20
38 <212> TYPE: DNA
39 <213> ORGANISM: Human Immunodeficiency Virus
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Sequencing Primer 43461
44 <400> SEQUENCE: 2
45   ggatcatcgg ttcataccccc
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 114
49 <212> TYPE: DNA
50 <213> ORGANISM: Human Immunodeficiency Virus
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-A) for PCR
55 <400> SEQUENCE: 3
56   catgatcggg ggtgacatga aagacatctg gcgtaacgaa ctgttcaaata acaaagttgt
57   tcgtgttaaa ccgttctctg ttgctccgac cccgatcgct cgctccgggta tcgg
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 111
61 <212> TYPE: DNA
62 <213> ORGANISM: Human Immunodeficiency Virus
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-C) for PCR
67 <400> SEQUENCE: 4
68   gcagggttcca ctatgggtgc tgcagctacc gctctgaccg tacagaccca ctctgttatac
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19

20

60
114

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69 aaaggatcgtacacgacgacgacacacgtctgcgtgcaa tccaggcaca g 111
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 110
73 <212> TYPE: DNA
74 <213> ORGANISM: Human Immunodeficiency Virus
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-D) for PCR
79 <400> SEQUENCE: 5
80 agctgctggt tctggatcag ggtttccagt gccagcagac gagcacgcag ctgacggata 60
81 cccatacag acagacgcag cagttcctgc tgtgcctgga ttgcacgcag 110
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 111
85 <212> TYPE: DNA
86 <213> ORGANISM: Human Immunodeficiency Virus
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-E) for PCR
91 <400> SEQUENCE: 6
92 ctgatccaga accagcagct gctgaacctg tggggctgca aaggctcgtct gatctgctac 60
93 acctccgtta aatggaaacga aacctggcgt aacaccacca acatcaacca g 111
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 117
97 <212> TYPE: DNA
98 <213> ORGANISM: Human Immunodeficiency Virus
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-F) for PCR
103 <400> SEQUENCE: 7
104 ctgaacctga gctttctgga tttcttcgta gatggtggaa gaaacgttgt cgatctgctg 60
105 gtccattcc tgccaggta ggttaccaca gatctggttg atgttggttg tgttacg 117
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 101
109 <212> TYPE: DNA
110 <213> ORGANISM: Human Immunodeficiency Virus
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-G) for PCR
115 <400> SEQUENCE: 8
116 tccagaaaagc tcaggttcag caggaacaga acgaaaaaaaa actgctggaa ctggacgaat 60
117 gggcttctct gtggaactgg ctggacatca ccaaatggct g 101
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 114
121 <212> TYPE: DNA
122 <213> ORGANISM: Human Immunodeficiency Virus
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-H) for PCR
127 <400> SEQUENCE: 9
128 accttcaccg gtacgacccg gagtttcagc ttcagactgc tgacgggtcg gcatctgcag 60
129 ggacagcggc tggtagccct gacggatgtt acgcagccat ttggtgatgt ccag 114
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 107
133 <212> TYPE: DNA

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134 <213> ORGANISM: Human Immunodeficiency Virus
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-I) for PCR
139 <400> SEQUENCE: 10
140   cgggtcgtac cgggtgaaggt ggtggtgacg aaggccgtcc gcgtctgac cgcgtctccgc   60
141   agggtttccct gccgctgctg tacaccgacc tgcgtaccat catcctg   107
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 31
145 <212> TYPE: DNA
146 <213> ORGANISM: Human Immunodeficiency Virus
148 <220> FEATURE:
149 <223> OTHER INFORMATION: HIV-1 Group O PCR Primer Osyn-5' (outside)
151 <400> SEQUENCE: 11
152   ctacaagaat tccatgatcg gtggtgacat g   31
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 109
156 <212> TYPE: DNA
157 <213> ORGANISM: Human Immunodeficiency Virus
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-K) for PCR
162 <400> SEQUENCE: 12
163   gtctgtggat tctgggtcag aaaatcatcg acgcttgccg tatctgctg gctgttatcc   60
164   actactggct gcaggaactg cagaaatccg ctacctccct gatcgacac   109
166 <210> SEQ ID NO: 13
167 <211> LENGTH: 114
168 <212> TYPE: DNA
169 <213> ORGANISM: Human Immunodeficiency Virus
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-L) for PCR
174 <400> SEQUENCE: 13
175   gcgaacacga cgcgggatgt tcaggatacc acgacccaga cgctggatac cacgggatgat   60
176   gtcgtcagtc cagttagcaa ctgcaacagc gaagggtgctg atcagggagg tagc   114
178 <210> SEQ ID NO: 14
179 <211> LENGTH: 60
180 <212> TYPE: DNA
181 <213> ORGANISM: Human Immunodeficiency Virus
183 <220> FEATURE:
184 <223> OTHER INFORMATION: HIV-1 Group O PCR Primer Osyn-M (antisense)
186 <400> SEQUENCE: 14
187   atagtaggat cctattacag cagagagcgt tcgaagccct ggcgaacacg acgcgggatg   60
189 <210> SEQ ID NO: 15
190 <211> LENGTH: 43
191 <212> TYPE: DNA
192 <213> ORGANISM: Human Immunodeficiency Virus
194 <220> FEATURE:
195 <223> OTHER INFORMATION: HIV-1 Group O PCR Primer Osyn-O3' (antisense)
197 <400> SEQUENCE: 15
198   atagtaggat cctattattc accggtacga cccggagttt cag   43
200 <210> SEQ ID NO: 16

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201 <211> LENGTH: 38
202 <212> TYPE: DNA
203 <213> ORGANISM: Human Immunodeficiency Virus
205 <220> FEATURE:
206 <223> OTHER INFORMATION: HIV-1 Group O PCR Primer Osyn-P3' (antisense)
208 <400> SEQUENCE: 16
209   atagtaggat cctattacag ccatttggtg atgtccag           38
211 <210> SEQ ID NO: 17
212 <211> LENGTH: 106
213 <212> TYPE: DNA
214 <213> ORGANISM: Human Immunodeficiency Virus
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-B) for PCR
219 <400> SEQUENCE: 17
220   gcacccatag tggaacctgc tgcagacaga acgcccagga acagcatacc cagacctaca           60
221   gcacgttttt cacggtgggt gccagtaccg ataaccggac gagcga           106
223 <210> SEQ ID NO: 18
224 <211> LENGTH: 108
225 <212> TYPE: DNA
226 <213> ORGANISM: Human Immunodeficiency Virus
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-J) for PCR
231 <400> SEQUENCE: 18
232   ctgaccacaga atccacagac ccagacgcag gtgagagata acagtctgag taccagagat           60
233   caggttagac agcaggtgggt aggaccacag gatgatggta cgcaggtc           108
235 <210> SEQ ID NO: 19
236 <211> LENGTH: 26
237 <212> TYPE: DNA
238 <213> ORGANISM: Human Immunodeficiency Virus
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Sequencing Primer CKS 176.1
243 <400> SEQUENCE: 19
244   gcagcttcgt gttctgtggt acggcg           26
246 <210> SEQ ID NO: 20
247 <211> LENGTH: 19
248 <212> TYPE: DNA
249 <213> ORGANISM: Human Immunodeficiency Virus
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Sequencing Primer CKS3583
254 <400> SEQUENCE: 20
255   cgtaacggta cgacactcc           19
257 <210> SEQ ID NO: 21
258 <211> LENGTH: 26
259 <212> TYPE: DNA
260 <213> ORGANISM: Human Immunodeficiency Virus
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR Primer IM-6F (Forward)
265 <400> SEQUENCE: 21
266   ccgtacctc cctgatcgac accttc           26

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Input Set : A:\6165US01.txt
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268 <210> SEQ ID NO: 22
269 <211> LENGTH: 26
270 <212> TYPE: DNA
271 <213> ORGANISM: Human Immunodeficiency Virus
273 <220> FEATURE:
274 <223> OTHER INFORMATION: PCR Primer IM-6R (Reverse)
276 <400> SEQUENCE: 22
277   gaaggtgtcg atcaggagg tagcgg                26
279 <210> SEQ ID NO: 23
280 <211> LENGTH: 19
281 <212> TYPE: DNA
282 <213> ORGANISM: Human Immunodeficiency Virus
284 <220> FEATURE:
285 <223> OTHER INFORMATION: PCR Primer 4lsy-4
287 <400> SEQUENCE: 23
288   gatgtccagc cagttccac                19
290 <210> SEQ ID NO: 24
291 <211> LENGTH: 64
292 <212> TYPE: DNA
293 <213> ORGANISM: Human Immunodeficiency Virus
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic oligonucleotide (Osyn-5' repair) for PCR
298 <400> SEQUENCE: 24
299   ctacaagaat tccatgatcg gtggtgacat gaaagacatc tggcgtaacg aactgttcaa    60
300   atac                                     64
302 <210> SEQ ID NO: 25
303 <211> LENGTH: 34
304 <212> TYPE: DNA
305 <213> ORGANISM: Human Immunodeficiency Virus
307 <220> FEATURE:
308 <223> OTHER INFORMATION: PCR Primer Osyn-5'CKS
310 <400> SEQUENCE: 25
311   ctacaagaat tctatcggtg gtgacatgaa agac                34
313 <210> SEQ ID NO: 26
314 <211> LENGTH: 20
315 <212> TYPE: DNA
316 <213> ORGANISM: Human Immunodeficiency Virus
318 <220> FEATURE:
319 <223> OTHER INFORMATION: PCR Primer I-PCR
321 <400> SEQUENCE: 26
322   cgggtcgtac cgggtgaaggt                20
324 <210> SEQ ID NO: 27
325 <211> LENGTH: 23
326 <212> TYPE: DNA
327 <213> ORGANISM: Human Immunodeficiency Virus
329 <220> FEATURE:
330 <223> OTHER INFORMATION: PCR Primer M-PCR
332 <400> SEQUENCE: 27
333   atagtaggat cctattacag cag                23

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VERIFICATION SUMMARY

PATENT APPLICATION: US/08/911,824

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Input Set : A:\6165US01.txt

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